

Patent Abstracts of Japan

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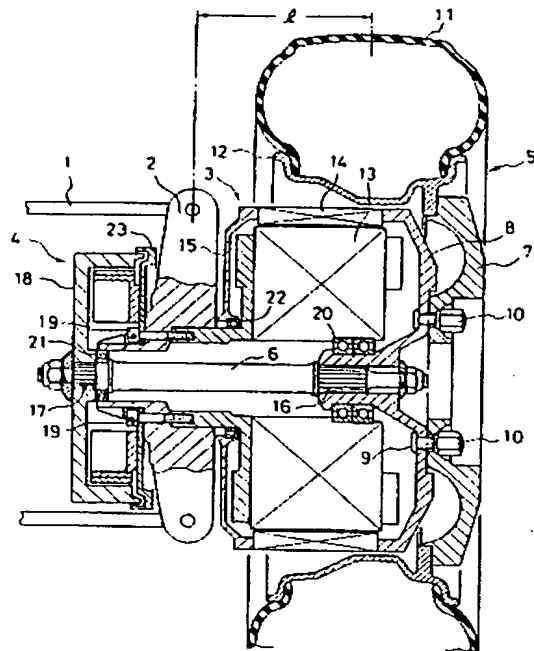
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TITLE : MOTOR-DRIVEN VEHICLE



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ABSTRACT : **PURPOSE:** To make a motor driven vehicle having direct drive wheels as drive wheels, compact, by disposing a direct drive motor outside of an upright to which a suspension arm is coupled, and by disposing a brake mechanism outside thereof.

CONSTITUTION: A rotor bracket 8 of a direct drive motor 3 is secured, by bolts 19, to the inside of a wheel drive disc 7 constituting a wheel 5 together with a rim 12 attached thereon with a tire 11, and a rotor 14 composed of permanent magnets arranged around the outer periphery of a stator 13 of the motor 3 is supported to the roller bracket 8 and a bracket 15 in opposite to the latter. Further, a rotary shaft 6 which is coupled to the wheel 5 at the center position thereof, is arranged piercing through a hollow part of an upright 2 connected thereto with a suspension arm 1, an is projected therefrom with its end part which is coupled to a brake drum 18 of a brake mechanism 4 disposed inside of the upright 2. Further, brake lining disc 23 is secured by bolts 19 inside of the upright 2.

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